

after the title, insert --

## **BACKGROUND OF THE INVENTION**

### **Field of the Invention--;**

after line 6, insert --

### **5 Description of the Related Art--;**

in line 8, before "method" insert --a--;

in line 13, before "time frame" insert --a--; and

in line 28, change "plurality" to --number--.

On page 2, in line 2, change "time s slots" to --time slots--;

10 in line 19, delete "To be cited as an" and insert --An--;

in line 24, change "plurality" to --number--;

in line 26, before "recognized" insert --which is--; and

in line 27, change "reemployment" to --reemployment--.

On substitute page 3, in line 1, before "EP-A-0 182 762" insert --European

15 Patent Document--;

in line 7, delete "[...]" and insert --in--;

in line 8, change "GB-A-2 228 163 [...]" to --British Patent Document GB-A-2 228 163 discloses--;

in line 13, change "US-A-5,471,503 [...]" to --U.S. Patent No. 5,471,503  
20 discloses--;

after line 15, insert --

### **SUMMARY OF THE INVENTION--;**

in line 16, change "create" to --provide--;

in line 22, replace "according to the independent claims." with --having  
25 the following steps: offering a random sequence of a plurality of N possible

carrier frequency values  $f_x$  in addresses 1 through N of a table, whereby the N possible carrier frequency values are divided into n sub-groups; periodically repeated readout of at least a part M of the N carrier frequency values  $f_x$  from the table, whereby the carrier frequency values  $f_x$  within each sub-group are

5 sequentially read out from the corresponding addresses and the sub-groups are read out in a discontinuous sequence, whereby  $M \leq N$  applies; and transmitting information in the corresponding carrier frequencies, and including the elements of: a means for offering a random sequence of a plurality of N possible carrier frequency value  $f_x$  in addresses 1 through N of a table, whereby the N possible  
10 carrier frequency values are arranged in n sub-groups; a means for periodically repeated readout at least a part M of the N carrier frequency values  $f_x$  from the table, whereby the carrier frequency values within each sub-group are sequentially read out from the corresponding addresses and the sub-groups are read out in a discontinuous sequence, whereby  $M \leq N$  applies; and a means for transmitting  
15 information in the corresponding carrier frequencies.--; and

in line 23, in line 23, change "are recited in the respective subclaims." to -- provided by the step of offering a random sequence of a plurality of N possible carrier frequency values  $f_x$  in addresses a through N of the table including the following steps: generating a respective random sequence of a plurality k of  
20 possible, different carrier frequency values  $f_x$  for each sub-group; writing the random sequence of the k carrier frequency values  $f_x$  into the corresponding addresses of the respective sub-group of the table, whereby  $k \times n = N$  applies. To setup a connection, the steps of: sampling a carrier frequency; deciding whether a specific message was received on this carrier frequency during a specific time  
25 span; when the decision is negative, selecting a new carrier frequency and sampling this new carrier frequency; when the decision is positive, editing the table upon employment of the message are performed. For the synchronization,

steps of: sampling a carrier frequency; deciding whether this carrier frequency was received during a specific time span; when the decision is negative, selecting a new carrier frequency and sampling this new carrier frequency; when the decision is positive, searching the address in the table corresponding to this carrier frequency and periodically repeated readout of the carrier frequency values  $f_x$  proceeding from this address are preformed.

In a preferred embodiment of the method, a part  $j$  of  $k$  possible carrier frequency values is read out from each sub-group of the table, whereby the remaining  $k-j$  carrier frequency values are employed for replacing disturbed carrier frequency values of the  $j$  carrier frequency values in the respective sub-group, whereby  $j \times n = M$  applies. Each sub-group of the table is updated from the  $k-j$  carrier frequency values before the periodically repeated read-out upon replacement of the carrier frequency values that correspond to disturbed carrier frequencies. Preferably, the means for editing a random sequence of a plurality of  $N$  possible carrier frequency values  $f_x$  into addresses 1 through  $N$  of a table includes: means for generating a respective random sequence of a plurality  $k$  of possible, different carrier frequency values  $f_x$  for each sub-group; means for writing the random sequence of the  $k$  carrier frequency values  $f_x$  into the corresponding addresses of the respective sub-group of the table.

In one embodiment, a means for the setup of a connection is provided that includes: means for sampling a carrier frequency; means for deciding whether a specific message was received on this carrier frequency during a specific time span, configured such that, when the decision is negative, a new carrier frequency is selected and this new carrier frequency is sampled, and, when the decision is positive, the table is edited upon employment of the message. The means for synchronization is provided that includes: means for sampling a carrier frequency; means for deciding whether this carrier frequency was received during

a specific time span, configured such that, when the decision is negative, a new carrier frequency is selected and this new carrier frequency is sampled, and, when the decision is positive, the address in the table corresponding to this carrier frequency is sought and the carrier frequency values  $f_x$  are periodically repeatedly read out proceeding from this address. The means for readout reads a part  $j$  of  $k$  possible carrier frequency values from each sub-group of the table, whereby the remaining  $k-j$  carrier frequency values are employed for replacing disturbed carrier frequency values of the  $j$  carrier frequency values in the respective sub-group, and whereby  $j \times n = M$  applies. A means may be provided for updating that updates each sub-group of the table from the  $k-j$  carrier frequency values before the periodically repeated readout upon replacement of the carrier frequency values that correspond to disturbed carrier frequencies.--.

On page 4, after line 26, insert --

**BRIEF DESCRIPTION OF THE DRAWINGS--;** and  
in lines 28 and 29, delete "Shown are:".

On page 5, in line 1, after "Fig. 1" insert --is a schematic diagram showing--;

in line 3, after "Fig. 2" insert --is a top perspective view of--;

in line 5, after "Fig. 3" insert --is a functional block diagram showing--;

and

in line 6, after "Fig. 4" insert --is--.

On page 6, after line 6, insert --

**DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS--;**  
and